AUTHOR

OR <u>KALIKHMAN S.G.</u>, Regular Member of the Society

108-6-6/11\*

TITLE

Compensating Filter with Punctiformly Distributed Selection.

(Balansnyye fil'try sosredotochennoy selektsii -Russian)

PERIODICAL

Radiotekhnika, 1957, Vol 12, Nr 6, pp 52 - 59 (U.S.S.R.)

ABSTRACT

The method suggested here for the analysis of compensating filters with punctiformly distributed selection is based on the agreement of sections according to characterizing resistances and can be extended to systems with any number of sections. It must, however, be taken into consideration that in order to warrant the required phase compensation, the number of III<sub>4</sub>-sections must be lower by one than that of the III<sub>1</sub>-sections. The here suggested method is considerably more simple than the schemata suggested by Brauns. (Nullstellen Bandfilter, "Funktechnik" Nr 5, 1955) and G.Petrich (Nullstellen Bandfilter "Hochfrequenz und Elektronok" Vol 64, fasca 3, 1955). Quantitative relations for the computation of filter sections are given. In conclusion experimental data are given, which confirm the opinion, that the application of these filters in a radio receiving set considerably improves its selectivity in the neighboring channel. (5illustrations, 2 table, 1 Slavic reference).

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SUBMITTED : 28.11.1956

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Library of Congress.

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111-58-5-6/27

Radio Device for Simultaneous Speech Translation into Eight Languages.

the block-diagram described in the article. The operation of direct and double translation systems is described, too. The common antenna has a horizontal loop laid along the perimeter of the conference room. Vertically-polarized magnetic antennas are built in the receivers. Fig. 2 shows the transmitting part containing eight AF operating transmitters with a frequency-band of 40-145 kc and frequency intervals of 15 kc, as well as two reserve transmitters. Each transmitting unit contains the tubes of "GU-50" and "6ZhlP" types and consists of a master generator, a modulator and a modulated stage. Some other details of this unit are given. The power supply of the transmitter is autonomous and furnished by the a.c. network of 220 v. Two rectifiers feeding the anode and grid circuits contain germanium power diodes. The parallel operation of channels is effected by means of the adding and reserve block. The advantages of the loop antenna described in the article are only maintained, if its length is small with regard to the shortest of the operating waves. The device contains two types of subscriber's receivers: one having five fixed frequencies of 85, 100,

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Radio Device for Simultaneous Speech Translation into Eight Languages.

115, 130, and 145 kc and the other one having five frequencies of 40, 55, 70, 85 and 100 kc. Both receivers have identical circuit-diagrams and design. They are shown in fig. 3. Each receiver contains three junction-transistors of "P6V" type and one germanium diode of "D2V" type. Its power supply is furnished by a dry battery of 1.5  $v_{\parallel}$  and assures a continuous operation of the receiver for 100 h. The headphones are of "TA-4" and "Ser'gi" types. The operator's panel (Fig. 4) contains all 1.f. (amplifier) and switchboard units. Their operation is described. The microphone amplifiers, with an output level of 100 mv, contain two transistors of "PID" and "P6V" types and are matched, at the input, with the "MD-46" type microphone. The line amplifiers have five transistors of "P6D", "P6V" and "P3V" types, as well as two germanium power diodes of "DGTs-24" type. The output power is 2 w , the sensitivity 30 mv and the non-linear distortion factor is 5%. The device also contains various control panels serving for direct translation, double translation or for the operation according to round-table system. There are 7 photos and 1 diagram. Library of Congress

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Card 3/3

1. Radio-Multiple operation 2. Speech transmission

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SOV/112-59-20-42992

9,1000

Elektrotekhnika, 1959, Nr 20, p 169, Referativnyy zhurnal: Translation from:

(USSR)

AUTHOR:

Kalikhman, S.G.

TITLE:

Ferromagnetic Reception Antennas

Tr. Gos. Soyuzn. n.-i. in-ta radioveshchat. priyema i. akust., 1958,

PERIODICAL:

Nr 10, pp 3-18

ABSTRACT:

The application of ferrite magnetic antennas (FMA) in valve and transistor receivers is discussed. It is shown that a FMA with a high permeability of the core has a lower antenna effect than a rod antenna. It is advisable to increase the quality (Q) of FMA in a valve receiver until the pass-band obtained is greater than prescribed, and in a transistor receiver without limitation. The radiation height  $(h_{\sigma})$  of FMA is determined. At an equal  $h_{\sigma}$  a multirod FMA consumes less magnetic material than a single-rod one. A design of a 2-band (LW and MW) FMA is suggested. It is advisable to use ferrite rods of

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CIA-RDP86-00513R000620030003-7" APPROVED FOR RELEASE: 03/20/2001

KALIKEMAN, S. G., Candidate Tech Sci (diss) -- "The problem of simultaneous operation or radio receivers on a common antenna". Leningrad, 1959. 25 pp. (Min Communications USSR, Leningrad Electrical Engineering Inst of Communications im Prof. M. A. Bonch-Bruyevich), 120 copies (KL, No 29, 1959, 137)

KALIKHMAN, S. G.,

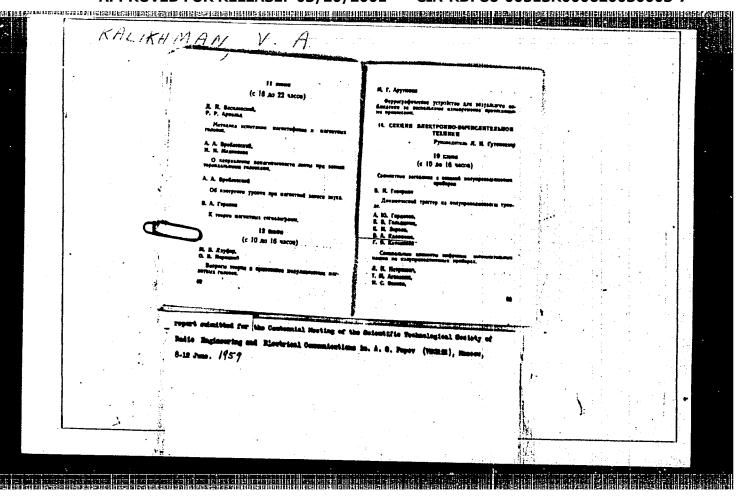
"On the Problem of Simultaneous operation of Radio Receivers with a Co,,om Antenna." Dissertation for the Degree of Candidate of Sciences, Leningrad Electrotechnic Inst. of Communication im. M. A. Bonch-Bruyevich. Defense held on 14 May 1959.

The principal engineering and theoretical problems invlolved in the simultaneous operation of an arbitrary number of radio receivers with multiple utilization of the receiving antenna have been developed. Circuits and engineering methods are proposed for the calculation of high-efficiency all-wave transformers. A procedure is developed for engineering design of concentrated-selection systems, made up of inhomogeneous band pass elements with conductive and transformer coupling, along with an explanation of the features of the design of filters for concentrated slection when used in transistor devices. The problem of matching the impedance of the antenna with the feeder over a broad range of radio frequencies is solved.

Tzy Vysshikh ucheb. zaved. MViSSO SSSR po razdelu Radiotekhnika, vol. 6, No. 1, 1963 p. 98-102 (Original checked--Cand. of Sciences as in original.)

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	Б. В Помукание     Перезальной примет в патупроводишения данам при притигалия пута зего в примиц вопроводишени пи- примета пута далай далагийленти.   ——————————————————————————————————	B. M. Française  Annanamentol sparter on autyrpannanous.  Annanamentol Sparter of autyrpannanous.		
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8/020/60/132/01/28/064 B014/B014

AUTHORS:

Kalikhman, V.L., Umanskiy, Ya.S.

TITLE:

Investigation of the Initial Stages of the Formation of Diffusion Porosity in the Alloys L620 and N80Kh200 by Using the Method of Small-angle Scattering of X-Rays

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 1, pp. 108-109

TEXT: The formation of porosity by elimination of the volatile component of alloys was studied in a vacuum chamber by using 0. Kratky's method (Ref. 4). As a result of the elimination of zinc, the samples of the L62 alloy were in an atmosphere saturated with zinc when they were annealed at 750°. Similarly, the samples of the alloy of the type N80Kh20 were in an atmosphere saturated with chromium when they were annealed at 1200°. The results and the X-ray pictures shown in Fig. 2 are discussed. From the results obtained it follows that the pores begin to form on the surface of impurities. First, thin cracks are produced, which expand along the surface of the impurities. These results agree with the fact that the tendency to form pores is closely connected with

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the amount of impurities. There are 2 figures and 6 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy institut stali im. I.V. Stalina (Moscow Steel Institute imeni I.V. Stalin)

PRESENTED: December 29, 1959, by G.V. Kurdyumov, Academician

SUBMITTED: December 28, 1959

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Card 2/2

KALIKHMAN, V. L., Cand. Phys-Math. Sci. (diss) "Investigation of Diffusion Sub-microscopic Porosity in Metals and Alloys by the Method of Small-Angle Scattering of X-Rays." Moscow, 1961, 13 pp (Central Scientific Research Institute of Ferrous Metallurgy im I. P. Bardin) 120 copies (KL Supp 12-61, 251).

5/139/61/000/004/018/023 E021/E480

AUTHORS:

Kalikhman, V.L. and Umanskiy, Ya.S.

TITLE :

X-Ray measurement of total sub-microporosity and of pore size; arising during the mutual diffusion of

copper and nickel

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika,

no.4, 1961, 140-145

Studies were carried out on the increase in sub-microporosity during the process of mutual diffusion of copper and nickel, using TEXT: the apparatus for recording low-angle reflections with a slit arrangement proposed by O.Kratky (Ref. 2: Kolloid-Zeitschrift, 144, 110, 1955) with slight modifications. Samples were prepared in the following way: 10 micron thick nickel foil was annealed for 2 hours at 1000°C and placed between two sheets of 20 micron thick The surface of the foil was electropolished and washed in acetone. The sandwich was clamped and heated in vacuo This was sufficient for diffusion at 900°C for 15 minutes. Diffusion treatment was carried out at 1000°C for 5 to 160 minutes and at 900°C for 15 to 240 minutes in vacuo. The samples were then radiographed. Card 1/3

S/139/61/000/004/018/023 E021/E480

X-Ray measurement of total ...

reflections were obtained from the samples before and after heating. The low angle effect was caused by imperfections of the foil surface, as shown by its increase with an increasing number of foil layers. The low angle reflections were 3 to 4 times more intense after sintering, being 2 x 10 3 of the intensity of the initial beam. Thus, the effect must be caused, in the main, by submicropores formed as a result of the difference in partial coefficients of diffusion of the sintered metals. Generation of pores had already started even after 15 minutes at 900 °C. minimum size of pore was about 300 A after this time. Obviously, this must have been close to the critical size for nucleation. With increasing time, the pore size increased because of coagulation of pores. The process of increase in pore size, in the initial stages, was obviously autocatalytic, The total volume of submicroscopic porosity was of the order of 10 \* 3 of the volume of the sample. S.T.Konoboycyskiy is mentioned in the article. There are 4 figures and 9 references: 3 Soviet and 6 non-Soviet. The four references to English language publications read as follows: Ref. 4 A Guinier, G. Fournett. Small-angle scattering of X-rays, London, 1955; Card 2/3

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\$/129/61/000/007/014/016 E073/E535

AU THORS:

Astrakhantsev. S.M., Gromova, S.P., Kalikhman, V.L.

and Umanskiy, Ya. S.

TITLE

influence of Diffusion Porosity in a Nichrome Alloy on the Sintering of Nickel and Chromium Powders

PERCONCAL Metallovedeniye i termichenkaya obrabotka metallov, 1961, No.7, pp.52-54

in studying the process of sintering of nickel and chromium the authors discovered some unusual changes of the lattice period and the shape of the lines on X-ray diffraction patterns of the nichrome  $H(\Omega \times \Omega O)$  (N80x20). For the investigations, specimens of various densities (porosities 10-15, 25+30 and 441-45%) were prepared by cold pressing. The specimens were sintered in a hydrogen stream at 1150°C for 8 hours, X-ray diffraction patterns were made using a molybdenum reference standard with copper radiation. The lattice period was calculated from the line (420). It was found that during sintering the lattice period did not change monotonously but in jumps, Fig.1 shows the dependence of the lattice period, A. of sintered Card 1/6

Influence of Diffusion Porosity ... 5/129/61/000/007/014/016

nithrome on the sintering time, hours, for the following initial periods: curve 1 - 15-20%, curve 2 - 30%, curve 3 - 40-45%. During the first three hours of sintering, the maxima and minima of the lattice periods did not coincide for specimens with various porosities; however, during the later stages of sintering they are synchronous for all the specimens. There is a similar change in the blurring of the lines on the X-ray diffraction patterns: the lines are blurred or sharp right up to the division of the K doublet, The sharp lines correspond to larger lattice "abortáu Similar phenomena were observed by S. S. Gorelik (Ref.1: Nauchnyye doklady vysshey shkoly, Metallurgiya, No.2, 1939) during sintering of Cunico alloy. These phenomena indicate that sintering of nickel and chromium powders does not change monotonously the uniformity of the solid solution. This can be explained on the basis of results of the study of the formation and growth of sub-microporosities in the nichroms alloy. Porosity was observed in an alloy of a similar composition (21% Cr) during the distillation of chromium in vacuum at various temperatures. The dimensions of the sub-micropores were determined by studying the low angle scattering of X-rays. Fig. 2 shows the test-rig Card 2/6

21,199 Influence of Diffusion Porosity ... 5/129/61/000/007/014/016 E073/E535 used for studying the low angle scattering (1 - X-ray tube, 2 - monochromator, 3 - specimen, 4 - collimator, 5 - Geiger-Muller counter, 6 - counting circuit). It was found that submicroscopic pores of a size of several hundred Angstrom form in the nichrome during the process of evaporation of chromium. Fig. 3 shows the dependence of the average pore dimensions,  $\vec{R}$  ,  $\hat{A}$ , and of the total porosity (loss in weight),  $\triangle$  P, mg, in nichrome subjected to vacuum evaporation at various temperatures as a function of time,  $\sqrt{\tau}$  , min for the sintering temperatures 1200°C (plot a) and 1350°C (plot 6). The dimensions of the sub-micropores also did not change monotonously; the lower the evaporation temperature the larger will be the number of extremal points on the curve R =  $f(\sqrt{\tau})$ . The observed phenomenon can be explained only by the healing of the formed sub-micropores, since the maximum dimension of the pores was considerably below 1000 Å. Healing proceeds as a result of chromium diffusion; its partial diffusion coefficient in nichrome is considerably higher than the diffusion coefficient of nickel (Ref.4: S. Dashman: "Scientific fundamentals of vacuum engineering", Russian translation, 1950). Card 3/6

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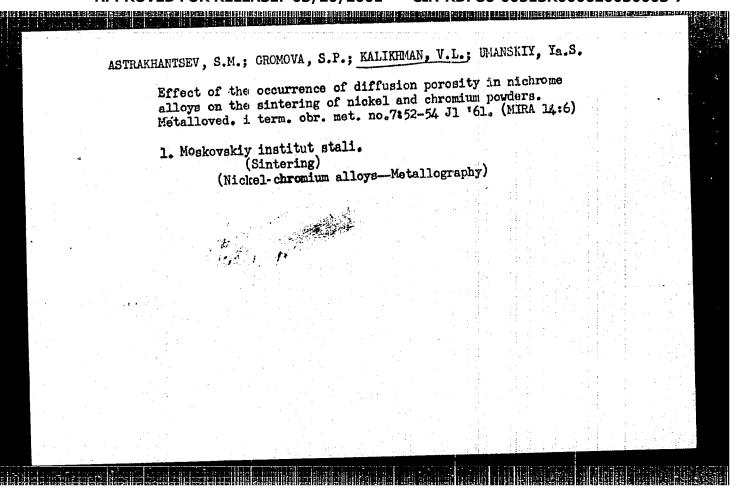
Influence of Diffusion Porosity ... S/129/61/000/007/014/016 E073/E535

In this case healing is possible if the flow of chromium atoms to the pore is larger than the flow of vacancies. After the pores have healed, sections will remain which are chromium enriched and the internal flow of vacancies will cease. appearance of concentration non-uniformities leads to blurring of the lines on the X-ray pattern and to a reduction of the lattice period. By means of low angle scattering it is also possible to detect the decrease in the pore dimensions. Then, the chromium concentration begins to equalize in the alloy and the concentration of vacancies will increase; this produces a narrowing of the lines on the Debye pattern. An increase in the concentration of the vacancies leads to the formation of new and growth of remaining pores. The concentration of vacancies will decrease in jumps and the process of healing of the porcs will start afresh. This process appears to continue until a certain quantity of chromium is evaporated from the alloy. There are 3 figures and 4 references: 3 Soviet and 1 a Russian translation.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

Card 4/6

l. Institut stali, Moskva. (Diffusion) (X rays—Industrial applications)	Determining the or &-brass by the m Fiz. tver. tela 3	ethod of small-ar	igle scattorin	micropores in g of X rays. (MIRA 14:6)	
		(Diffusion)	applications)		



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S/126/61/011/002/023/025 E073/E335

AUTHORS: Kalikhman, V. Lada Umanskiy, Ya.S. and Chirikov, N.V.

Study of the Diffusion Porosity Occurring During
Distillation of Chromium From Single Crystals of
the Alloy 1/4376 (E1437B)

PERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol. 11, No. 2, pp. 314 - 316

TEXT: As shown in other work by the authors (to be published in Metallovedeniye i termicheskaya obrabotka metallov) diffusion porosity occurs during distillation of chromium from the alloy porosity occurs during distillation of chromium from the alloy (Kh20N80), whereby the pores are equally oriented within the limits of 1 grain. By means of a method described in an earlier paper (Ref. 3), the authors attempted to determine the orientation of the pores in the initial stages of their growth with respect to the crystal lattice of the alloy. Since they did not manage to grow sufficiently large crystals of the alloy Kh20N80 by recrystallisation, the authors used large crystals obtained accidentally in scrap material from the alloy E1437B, the composition of which is similar to that of

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S/126/61/011/002/023/025 E073/E335

Study of ....

Kh20N80. The single-crystal film which is required for investigating the pores by the method of small-angle X-ray scattering was obtained by mechanical grinding to a thickness of 150 µ, followed by electropolishing to a thickness of 60 μ. The electrolytic thickness-reduction did not ensure total removal of the work-hardened layer and the laue pattern is blurred ( Fig. 1 - pertaining to a single-crystal film of the alloy E1437B, the surface plane of which is near to the plane (100) ). However, specimens produced from thicker sheet by electrolytic polishing were considerably nonuniform as regards thickness. The Cr distillation was effected in a quartz ampule (which was connected continuously to a pre-vacuum pump) at 1 330 °C for 2.5 hours. Shorter distillation times did not produce porosities. After terminating the distillation process, the specimen was rapidly thrown into the cooled part of the ampule to eliminate falling-out of the ordered phase. Some of the specimens crystallised during distillation and broke up into a number of small grains, whilst others remained single crystals. Curves of the drop in intensity of

Card 2/6

Study of ....

S/126/61/011/002/023/025 E073/E335

the small-angle scattering as a function of the distance from the edge of the primary beam were plotted by photometering the X-ray diffraction patterns which were obtained by means of slot equipment built as described by Kratky (Ref. 4). The slot was located in differing crystallographic directions. Specimens were investigated, the surfaces of which were near to the plane (111) and (100). The photometric curves were standardised in such a way that the intensities at a distance of l' from the edge of the primary beam were equal for all the X-ray diffraction patterns taken from the same specimen. Following that, lines of equal intensity were plotted in the polar coordinates (angles-intensity). The thus obtained graphs are plotted in Figs. 2a and b (curves of equal intensity of low-angle scattering in various directions: Fig 2a. - specimen surface near to the plane (111), 1, 2, 3, min; Fig. 2b - specimen surface near to the plane (100), 1, 2, 3, ...6 min). It can be seen that the intensity of lowangle scattering of X-rays drops more slowly for a specimen, the surface plane of which is near to the plane (111) if the

Card 3/6

S/126/61/011/002/023/025 E073/E335

Study of ....

slot is in the direction 211 (corresponding to the photometering direction 110). This means that in the direction 110 the dimension of the pore nucleus is at a minimum (Ref. 3 The anisotropy of the drop in intensity for specimens with the surface plane near to the plane (100) confirms these conclusions. It is pointed out that the anisotropy of lowangle scattering for the alloy EI437B is not as pronounced as it is for brass. This is attributed to the fact that the alloy is strongly contaminated with nonmetallic inclusions with irregular boundaries, which can be clearly seen in unetched polished cuts. They can serve as a basis for forming arbitrarily oriented pores.

There are 2 figures and 4 Soviet references.

ASSOCIATION:

Moskovskiy institut stali im. I.V. Stalina

(Moscow Institute of Steel im. I.V. Stalin)

SUBMITTED:

September 8, 1960

Card 4/6

Radioscopic measurement of the general submicroporosity and of the size of pores forming in the mitual diffusion of copper and nickel. Izv.vys.ucheb.zav.; fiz. no.4:140-145 *61.  (MIRA 14:10)  1. Moskovskiy institut stali imeni I.V.Stalina.  (Radiography) (Porous materials)													L.; UMAN		TTKI	K.	٠.,	
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# KALIKHMAN, V.L.; UMANSKIY, Ya.S. Application of the method of small-angle scattering of x rays in the study of submicroscopic inhomogeneities in materials; survey. Zav.lab. 27 no.61691-698 °61. (MIRA 14:6) (X rays-Industrial applications) (Materials-Testing)

### CIA-RDP86-00513R000620030003-7 "APPROVED FOR RELEASE: 03/20/2001

s/659/62/008/000/018/028 1048/1248

AUTHORS:

Kalikhman, V.L., Umanskiy, Ya.S., and Cnirikov, N.V.

TITLE:

A study of the appearance and growth of diffusion porosity during the evaporation of the volatile component

from some nickel-based alloys

SOURCE:

Akademiya nauk SSSR. Institut metallurgii. Issledovaniya po zharoprochnym splavam. v.8. 1962. 127-131

TEXT: Equations for calculating the size and amount of submicro diffusion pores in metals and alloys from small-angle x-ray scattering data are derived. These equations were used to calculate the diffusion porosity of Ni-26.9% Mn and Ni - 27.6% Zn alloys. The alloy specimens (foil 30 microns thick) were heated in vacuo to 800-1100°C to evaporate the more volatile component. The pore size increased at first with increasing time at the elevated temperature, reached a maximum and decreased thereafter. The pores could be classified into two groups according to size; the maximum sizes are 400 angstrom in the first and 1500 angstrom in the second group.

Card 1/2

S/659/62/008/000/018/028 I048/I248

A study of the appearance and growth...

It is assumed that the growth of the pores is an autocatalytic process during the first stages of evaporation; the rate of growth decreases with time during to the exhaustion of the vacancy sources within the alloy. The fraction of diffusion porosity in the total porosity amounts to 18-20% in the specimens subjected to evaporation at 800°C and decreases with both time and increasing temperature. There are 4 figures.

Card 2/2

ACCESSION NR: AP4044140

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\$/0129/64/000/008/0041/0044

AUTHOR: Alitman, A. B.; Gusev, V. Ya.; Kalikhman, V. L.; Umanskiy, Ya. S.

TITLE: Investigation of magnetosolid Mn-Al cast alloys

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 8, 1964, 41-44

TOPIC TAGS: manganese aluminum alloy, aluminum containing alloy, alloy magnetization, cast alloy, permanent magnet, magnetic alloy, magnetic permeability

ABSTRACT:  $30 \times 10 \times 10$  mm and  $50 \times 15 \times 15$  mm rectangular and  $6 \times 20$  mm cylindrical samples of an Mn - Al alloy containing 67.2-73.5% Mn were investigated using magnetic, x-ray and metallographic methods in an attempt to evaluate the ferromagnetic properties and possible use of alloys of this type in permanent magnets. The magnetic properties of the samples, premagnetized in a 10,000 e electromagnetic field, were measured on a regular ballistic testing device. X-ray pictures were taken in an 86-mm Debye chamber with chromium and iron emission. The microstructure of unetched and etched cross sections was studied with an optical microscope. All the magnetic samples were found to contain an  $\alpha$ -phase with a tetragonal, ordered, space-centered structure with a- and c-periods of 2.77 and 3.57 kX, respectively. The phase composition was found to depend on alloy chemical composition, cooling rate and the mode of thermal treatment. An alloy, tempered at 400-500C for 1/3

ACCESSION NR: AP4044140

less than 1 hr., was found to consist almost entirely of a ferromagnetic Lphase. Most of the tested alloy samples showed magnetic properties immediately after casting, with Hc values ranging from 180 to 960 e in individual samples. The magnetic state was intensified by a hardening procedure in which samples, annealed at 1150-1180C in hydrogen for 0.5-1 hr., were cooled at a critical rate or quenched in oil or cold water and tempered at 450-600C. The principal magnetic data for thermally treated Mn-Al cast magnets are shown in the Enclosure. "I. M. Garina, Ye. Yu. Zel'tser, T. N. Korchebokova, G. I. Lasis and V. N. Sorokina participated in the tests." Orig. ert. has: 4 figures and 1 table.

ASSOCIATION: Moskovskiy Institut stall I splavov (Moscow Institute of Steel and Alloys); VNIIEM

SUBMITTED: 00

ENCLOSURE: 01

SUB CODE: MM. EM

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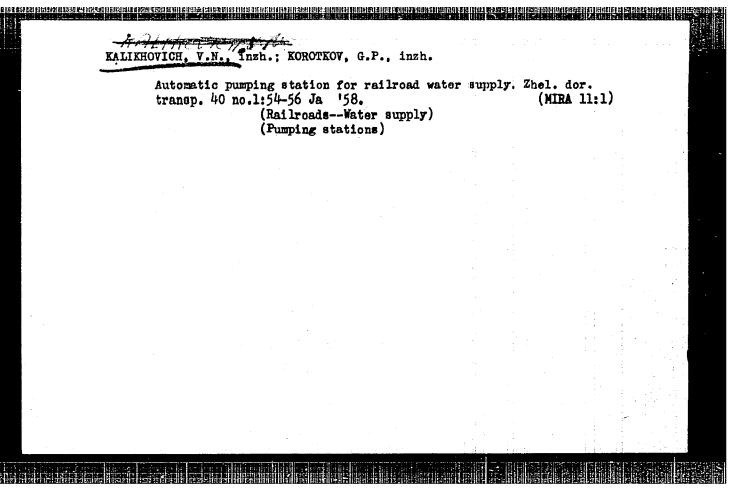
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GONCHAROV, S.F.; KOROTKOV, G.P.; KALIKHOVICH, V.N.; SALIHKO, S.V., inchener, redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Autematic centrel in railread water supply pumping stations] Avtermaticheskee upravlenie nasesnymi stantsiiami shelezmedereshnege verdesmabsheniia. Heskva, Ges.transpertnee shel-der. isd-ve, 1955,157mi (Vseseiusnyi nauchne-issledevatel skii institut sheledereshnege transperta. Trudy, ne.106)
(Pumping stations) (Railreads--Water supply) (Autematic contrel)



KALIKHOVICH, Viktor Nikolayevich; MIKHNENKO, Ye.F., kand. tekhn.

hauk, retsenzent; ZUBLEVSKII, S.M., insh., red.;

DROZDOVA, N.D., tekhn. red.

[Traction gearing of electric locomotives] Tingovye subchatye peredachi elektricheskikh lokomotivov. Moskvn,

Transsheldorizadat, 1963. 67 p. (MIRA 16:10)

(Electric locomotives—Transmission devices)

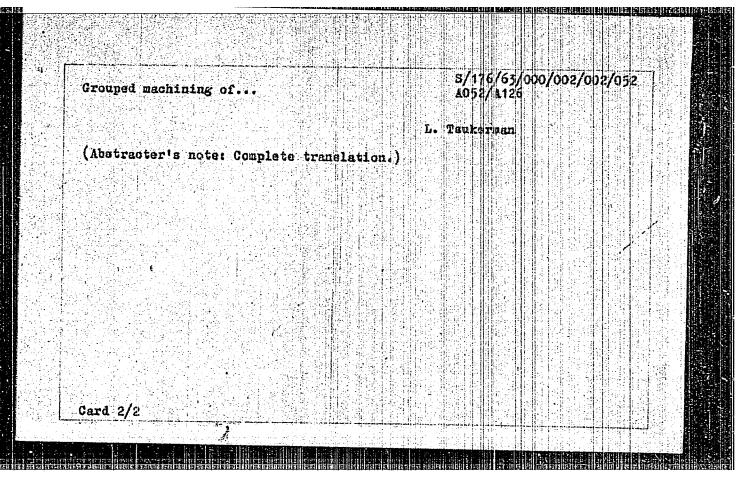
KALININ, Vladimir Konstantinovich, kand. tekhn. nauk: MTKHAYLOV, Nikolay Mikhaylovich, kand. tekhn. nauk; DURANDIN, G.B., inzh., retsenzent; ROGOVA, Ye.N., inzh., retsenzent; KRASKOVSKAYA, S.N., inzh., retsenzent; DUBROVSKIY, Z.M., inzh., retsenzent; KALIKHOVICH, V.N., inzh., retsenzent; RAKOV, V.A., red.

[Rolling stock of electric railroads] Elektro-podvizhnoi sostav zheleznykh dorog. Izd.2., perer. Moskva, Transport, 1964. 498 p. (MIRA 18:1)

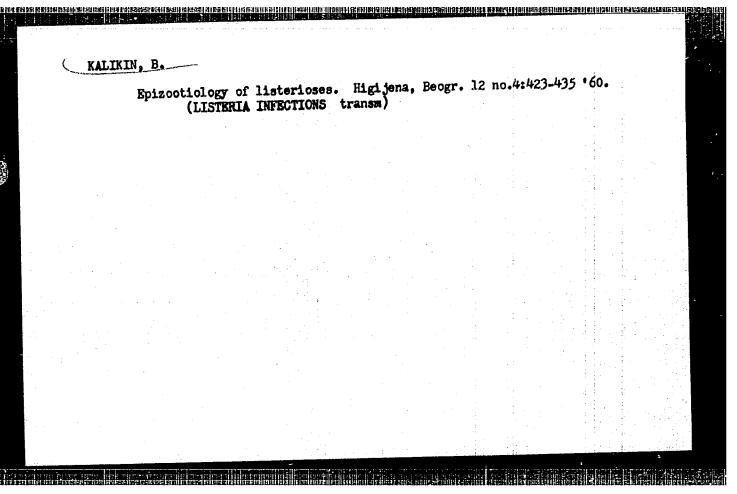
Group machining of bearing covers and housings. Trakt, i selthormash, 32 no.9:40-42 S '62. (MIRA 15:12)  1. Kherschskiy kombaynoyy zavod. (Bearings (Machinery))	KALIKHO	WSKIY,	V.L., ins	h.				i,		
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	8/475/63/300/002/002/054
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AUTHOR:	Kalikhovskiy, V.L.
mym: 2	Grouped machining of bearing housings and caps
TITLE: "	rekhnologiya mas inod royaniya
PERIODICAL	Grouped machining of the control of
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MLA MANGE	我就是我去了一个一点,一点一点,一点就是这个特别的,我就是我的人,他们也没有一点,我们就是我的一个女人,我们就是我的人,这个人,这个人,我们就是我们的人,我们就
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TO DO LOS	"我你看我,你是是是我们。""这一点,这里不是,她你就把我的,你要你不能看到这么?" 电相反 医巴耳巴斯氏神经 医红毛虫 医抗性皮肤病毒 医抗门肠炎
appliance	both groups are briefly described grouped machining both groups are briefly described of employed grouped machines for instance are presented. As a result of employed grouped machines for instance are figures.
by 29.8%	as are presented. As a line the case of housings the labor input has been cut (in the case of housings the 5 figures.) and greater economy has been achieved. There are 5 figures.
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KALIKIN, Dr. Bous

"Acid Prophylaxis and Acid Therapy of Pasteurellosis". <u>Dr. Bous Kalikin</u> - higher scientific co-operator of Min. of Agric. of Republic of Serbia, Mor. of Vet. Inst. for scientific research of Serbia, Beograd.

SOURCE: Vet. BROJ 1-2, p. 20, 1951

DAVYDOV, Il'ya Borisovich; KALIKIN, Nikolay Fedorovich; LYASHKO, Igor' Nikolayevich; POSTERNYAK, Ye.F., inzh., red.; FREGER, D.P., red.izd-va; GVIRTS, V.L., tekhn. red.

[General overhaul of a KR-450 jig-boring machine]Opyt kapital'mogo remonta koordinatno-rastochnogo stanka modeli KR-450. Leningrad, 1962. 31 p. (Leningradskii dom nauchno-tekhnideskoi
propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no.28) (MIRA 16:3)
(Drilling and boring machinery-Maintenance and repair)

1. VIL DFLUSH, R. T.;	BRAGIN, A.	M.; KAL	IKINSKIY. A.	Ae;	KOROBOVA,	G.	Ya.
KHTTKTU AKT PUW.						111	

- 2. USSR (600)
- 4. Soils-White Russia:

7. Effectiveness of granular superhosphate then drilled into seed rows on loamy soils of the White Russian S. S. R. Sov. agron. 11 no. 1 1953.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KALIKINSKIY, A.A., dots., otv. za vyp.

[Abstracts of the reports of the Student scientific Conference on Work Results for 1961] Texisy dokladov Studencheskoi nauchnoi konferentsii po itogam raboty za 1961 god, 1962. Gorki, Belorusskaia selikhoz. akad., 1962. 65 p. (MIRA 16:11)

1. Studencheskaya nauchnaya konferentsiya po itogam raboty za 1961 god, 1962.

(Agriculture)

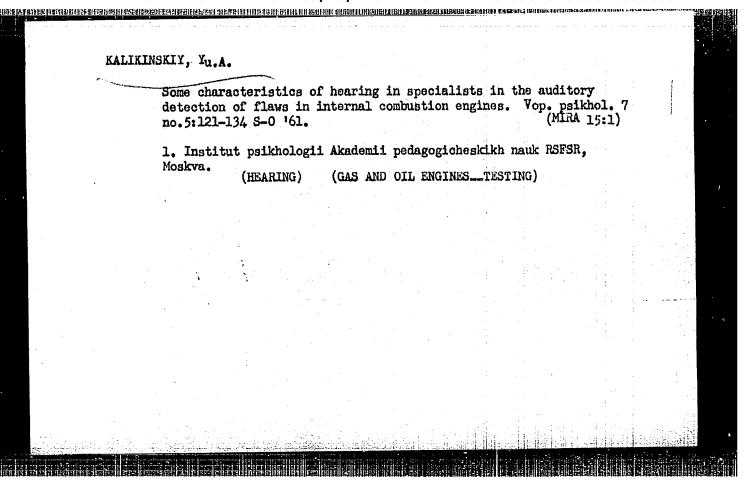
GORSHKOV, V.; RUBAN, T.; MONAKHOV, A.; KALIKINSKIY, V.; KAPRALOV, M.

New machines in operation. Den. i kred. 21 no.3:51-57 Mr '63.
(MIRA 16:3)

1. Glavnyy bukhgalter Belgorodskoy oblastnoy kontory Gosbanka
(for Gorshkov). 2. Starshiy inspektor glavnoy bukhgalterii
Belgorodskoy oblastnoy kontory Gosbanka (for Ruban). 3. Starshiy
ekonomist glavnoy bukhgalterii Kaliminskoy oblastnoy kontory
Gosbanka (for Monakhov). 4. Glavnyy bukhgalter upravleniya
(filialami Gosbanka TSelinogradskoy oblasti) (for Kalikinskiy).
5. Starshiy mekhanik Tul'skoy oblastnoy kontory Gosbanka (for
Kapralov).

(Banks and banking—Accounting) (Machine accounting)

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(MIRA 18:9)

SARATIKOV, A.S.; MARINA, T.F.; KALIKO, I.M.

Stimulating effect of roseroot on the higher sections of the brain.

Izv. SO AN SSSR no.8. Ser. biol.-med. nauk no.2:120-125 165.

1. Tomskiy meditsinskiy institut.

ing ing parameter

#### KALIKOJ I. M.

Kalilo, I. M. — "A complex pathogenetic physical therapy of a hypertonic disease," Sbornik trudov (Tomskiy obl. nauch.-issled. in-t fiz. ne odov lecheniya i kurortologii), Vol. VI, 1949, p. 21-33

SO: u-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey, No. 26, 1949).

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KALIKU

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Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65289

Author

I.M. Kaliko

Inst

: Tomsk Medical Institute, Tomsk Scientific Research Institute

of Health Resorts and Physiotherapy

Title

: An Investigation of Higher Nervous Activity During Physic-

therapy for Hypertensive Disease.

Orig Pub : Sb. tr. Tomskiy n.-i. in-t kurortol. i fizioterapli. Tomskiy

Med. in-t, 1956, (1957), 9, 91-100.

Abstract: In the neurogenic stage of hypertensive disease disturbances in the lability of nervous processes or weakening of the inhibitory process was frequently noted. A predominance of inhibition was observed in cases representing a transitional

stage of hypertension. In the neurogenic stage a zero

plethismogram was obtained with difficulty; vascular reactions to conditioned and unconditioned stimuli were prolonged, intensive, frequently distorted, and had short latent periods.

Card

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54

L 2109-66 ACCESSION NR: AP5024	176	UR/0x29	0/65/000/002/01	20/0125
AUTHOR: Saratikov, A	. S.; Marina, T. F.; K	615,,32	H615.739	ابد
	ect of Rhodiola rosea	to be before to be the best of the state of	nters	1
SOURCE: AN SSSR. Si nauk, no. 2, 1965, 12	birskoye otdeleniye. 0-125	Izvestiya. Seriya	biologo-medits	lnski <b>k</b> h
TOPIC TAGS: pharmacog cerebral cortex, elec	gnosy, experimental and croencephalography, psy	imal, nervous syst	em drug, drug e:	ffect,
ABSTRACT: The stimular abbits by the electrousing a speech-motor material prior to spinal administration extract, 45 min light flashes. In additional westigated after intra 75 mg/kg; medinal. 100	ent effect of Rhodiola pencephalographic metho method. In the experim stration of 0.05, 0.2, ater, during sciatic n	rosea (golden root) d, and in healthy lents with rabbits and 1 ml/kg doses erve stimulation, the effect of the 1 of CNS depressants	t) was investige and neurotic pe , EEG's were rec s of Rhodiola re and during rhyt root extract was s (chloral hydra	rsons orded ses hmic in- te

L 2109-66 ACCESSION NR: AP5024176

encephalograph using implanted bipolar electrodes. In a second group of experiments, 35 healthy persons and 45 neurotic patients aged 21 to 52 yr were given single loses (10 drops) of the extract or 3 doses a day for 10 days. Cortical excitation and inhibition were determined by the latent period between question and response, nature of the response, negative reactions or persistent reactions, and nature of motor responses. In rabbit EEG's, the effect of the root extract is expressed in the form of alternating periods of spontaneous, low voltage, synchronized rhythm and "rest" rhythm. These EEG changes last for 30-75 min and are more pronounced with the 0.2 and 1 ml/kg doses. The root extract does not eliminate the depressant effect of chloral hydrate, medinal, and aminazine, but does reduce the intensity of their effects and promotes faster EEG normalization. The extract has a considerably more antagonistic effect toward chloral hydrate and medinal than toward aminatine. In healthy persons, a single dose of the extract produced no changes. In neurotic persons, however, a single dose reduces the speech latent period by 1 to 3 sec and eliminates stereotype responses and negative reactions. This favorable effect is by brief duration, by the end of the third day the higher nervous activity of the patients had returned to the initial pathological state: After the 10 day treatment, the neurotic patients were all considerably improved; with a reduced latent period, higher power of concentration, and more meaningful responses [duration of favorable effects is not given]. Enodicla rosea extract primarily intensifies cortex excitation processes and normalizes patho-

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logically changed higher nervous activity of neurotic persons. Or figures.  ASSOCIATION: Tomskiy meditsinskiy institut (Tomsk Medical Institut SUBMITTED: 08Mar65		t. has	: 3
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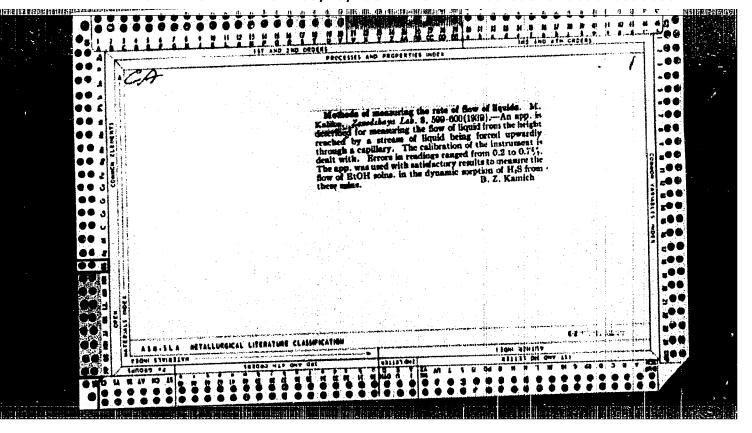
KALIKO, I.M.; BURNASHOV, I.G.

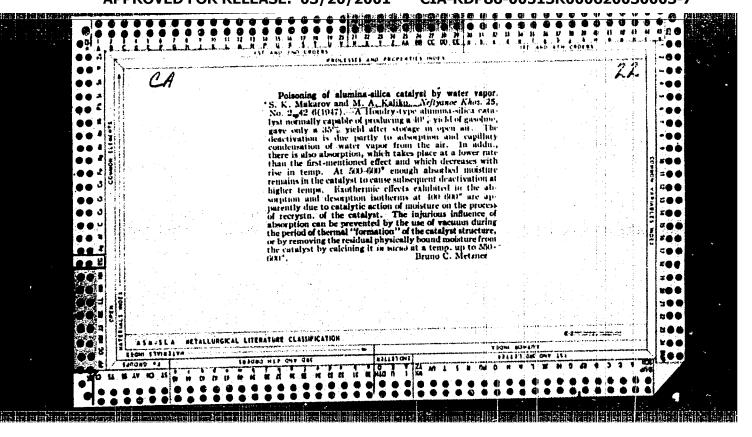
Method of induction thermophoresis. Vop.kur., fizioter. i lech. fiz. kul't. 28 no.2:175-176 Mr-Ap'63. (MIRA 16:9)

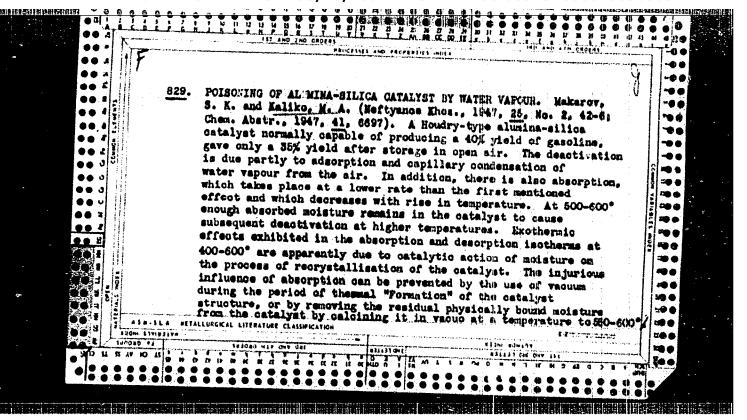
1. Iz Tomskogo istituta kurortologii i fizioterapii (dir.kand.med nauk Ye.G.Chulkov) (ELECTROTHERAPEUTICS)

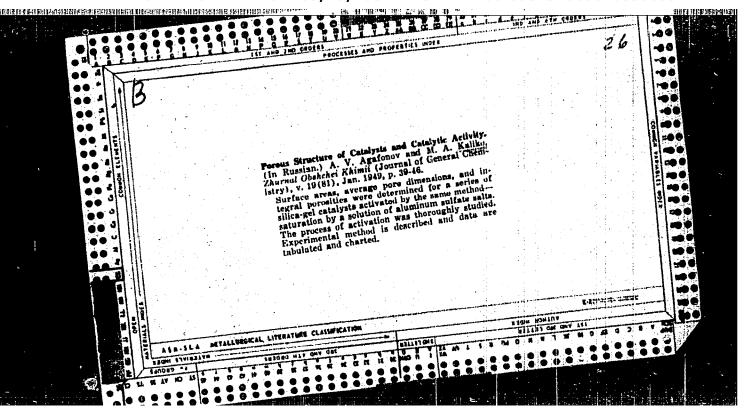
KALIKO, L.I., inzh.

Improving the equipment of plants producing gypeum concrete partitions.
St.oi.mat. 10 nc.8:34 Ag 164. (MIRA 17:12)









KALIKO, K. A., TOPCHIYEVA, K. V., PIGUZOVA, L. I., AGAFONOV, A. V., PACHENKOV, G. M., KAMAKIN, N. M., MIRSKIY, Y. S.

"Studying the Nature of Activity of Alumosilicate Catalysts."
Report submitted at the Fifth World Petroleum Congress, 30 May 5 June 1959. New York.

# KALIKO, M.A.; PERVUSHINA, M.N.

Studying character of the surface of cracking catalysts by the method of adsorption of cesium cations tagged with radioactive cesium. Khim. i tekh.topl. i masel 4 no.1:35-40 Ja 159. (NIRA 12:1)

1. Vsesoyuznyy nauchno-issledovatel skiy institut neftyanoy promyshlennosti,
(Catalysts) (Adsorption) (Cesium)

5(4) AUTHORS: SOV/76-33-4-26/32

Kaliko, M. A., Nikitin, Yu. S., Fedotova, T. V.

TITLE:

The Effect of the Conditions of Preparation of Hydrogels of Silicon- and Aluminum Oxide Upon the Structure and Activity of Mixed Aluminosilicate Catalysts (Vliyaniye usloviy prigotovleniya gidrogeley okisi kremniya i okisi alyuminiya na strukturu i aktivnost' smeshannykh alyumosilikatnykh

katalizatorov)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 4, pp 922-929

(USSR)

ABSTRACT:

As is known, (Refs 8, 9) the porous structure of silicagels (SG) and aluminum gels (AG) strongly depends on the production technique. It can be expected that with equal content of (AG) the catalysts (C) prepared with hydrogels of different production differ from one another with respect to their properties. In the present case 4 (SG)-types were prepared, differing as to the concentration of the acids used in production and in the preparetion conditions at SG-1 (4.36 m. H. SG).

the preparation conditions - SG-1 (4.36 n  $H_2$ SO<sub>4</sub>), SG-2 (2.37 n  $H_2$ SC<sub>4</sub>)

SG-10 (1.1 n  $H_2$ SO<sub>4</sub>), S-25 (0.6 n HCl). The (AG) A-1 and A-2

Card 1/3

were precipitated at a lower temperature (8-10°) than A-3 (100°).

SOV/76-33-4-26/32

- COLOUR MAILES - HABINAT TROUM SO STREET STREET STREET WHICH BESTATA BASEAR FRITTING CAN WATERDEST STEWER FREE WATERDES

The Effect of the Conditions of Preparation of Hydrogels of Silicon- and Aluminum Oxide Upon the Structure and Activity of Mixed Aluminosilicate Catalysts

Aluminum silicagel catalysts (AC) were prepared by intermixing the humid (SG) and (AG) and by after-treating and annealing the tablets at 750 during 3 hours. The (SG) strongly differed in their structure (Fig 1 adsorption isotherm of CH,OH, table 1, structural values). SG-1 is homogeneously fine-porous, SG-2 likewise, although it exhibits larger pores, S-25 and SG-10 are less homogeneous (they were precipitated at a higher pH). The structural properties of AG were likewise determined from methanol adsorption isotherms (Fig 2)(Table 1). A-3 possesses a considerably larger pore volume than A-1 and A-2. By intermixing the different (AG) and (SG) the authors obtained the (AC) having a constant composition (50%  ${\rm Al}_2{\rm O}_3$  - 70%  ${\rm SiO}_2$ ) and the structural characteristics (Table 2) were determined from the adsorption isotherms of methanol (Fig 3). The catalytic activity of (AC) was evaluated after the cracking of the kerosene-gasoline fraction of an Artem-Malgobek petroleum at determined conditions (Table 3, results of cracking with the 6 various (AC)-types). The experimental results obtained show that in a certain respect the structural properties of the intermixed gels are preserved in the catalyst, in which con-

Card 2/3

SOV/76-33-4-26/32

The Effect of the Conditions of Preparation of Hydrogels of Silicon- and Aluminum Oxide Upon the Structure and Activity of Mixed Aluminosilicate Catalysts

nection the fine-porous (C) exhibit the greatest efficiency and the (C) prepared from coarse-porous gels exhibit the least activity. The structural formation of the gels depends on the preparation conditions and may be considered in the same way as the growing of crystals, which also explains various observations made. Thus an enlargement of the specific surface of the coarse porous (C) may be explained by a mutual stabilization of SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> particles in the process of

drying and annealing, i.e. an enlargement of the particles is prevented. The catalytic activity may also be determined by the properties of the hydrogels. There are 3 figures. 3 tables, and 16 references, 11 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke

nefti i gaza (All-Union Scientific Research Institute for

Petroleum Refining and Gas Processing)

SUBMITTED: October 3, 1957

Card 3/3

TO THE STATE OF THE PROPERTY O 5.3ó20 78301 SOV/79-30-3-55/69 **AUTHORS:** Gol'dfarb, Ya. L., Kalik, M. A., Kirmalova, M. L. Synthesis and Conversions of Sulfides in Thiophene TITLE: Series. III. Preparation and Cleavage of Sulfoxides Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 1012-1020 (USSR) PERIODICAL: A series of compounds of (I) and (II) types were ABSTRACT: obtained for the first time by the oxidation of the corresponding sulfoxides (III and IV) with 30% H202 in glacial acetic acid at room temperature. Card 1/6

Synthesis and Conversions of Sulfides in Thiophene Series. III. Preparation and Cleavage of Sulfoxides

78301 **SOV/**79-30-3-55/69

Synthesis of compounds of types (I) and (II) was undertaken in order to study the bond cleavage between the alkylmercapto group and thiophene ring in (I) and (II) by the action of n-butyllithium at low temperature. Sulfoxides of type (III) were synthesized by authors previously (ZhOKh, 29, 2034, 1959). Compounds of type (IV) were obtained for the first time by the reduction of 2-ethylmercapto-5-ethyl-3-acetothienone and 2-methylmercapto-5-methyl-3-th1ophene aldehyde (V) according to the Kishner method (modified by Huang-Milon, J. Am. Chem. Soc., 71, 3301, 1949). (Was obtained from methyl 5-methyl-2-thienyl sulfide by the action of N-methylformanilide in the presence of phosphoryl chloride. Structure of (V) is proved by its conversion, under the conditions of Cannizazzaro reaction, into (VI). Oxidation of (V) with potassium permanganate yields (VII). (IVa) can be also obtained by the action of n-butyllith um on (VIII), followed by treatment with dimethyl sulfate.

Card 26

Synthesis and Conversions of Sulfides in Thiophene Series. III. Preparation and SOV/79-30-3-55/69 Cleavage of Sulfoxides

COOII KOH Hay SCHA KOH Hay SCHA HOH Hay SCHA HICHARD (VII)

KMANOL (V) (VIII)

A mixture of (IX) and (X) was obtained by acetylation of (IVb) with acetyl chloride.

Card 3/6

Synthesis and Conversions of Sulfides in Thiophene Series. III. Preparation and Cleavage of Sulfoxides

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Structure of (X) was proved by oxidation to (XI), which can also be obtained from (XII). It was found that the outer sulfur atom of alkyl alkylthienyl sulfoxides is eliminated by the action of n-butyllithium at low temperatures. The thiophene ring remains unchanged. The following compounds are listed. 2-Methylmercapto-5-methyl-3-thiophenealdehyde (V), obtained (71.2%) as described above, had bp 120-122° (2 mm), nD 1.6291.

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Synthesis and Conversions of Sulfides in Thiophene Series. III. Preparation and Cleavage of Sulfoxides

78301 SOV/79-30-3-55/69

(VII) was obtained by oxidation of (V), mp 1610. 2-Methylmercapto-5-methyl-3-thiophenecarboxylic acid (VI) was obtained from (V) by the action of KOH, mp 193-193.5°. Methyl 3,5-dimethyl-2-thienyl sulfide (IVa) was obtained (78%) as mentioned above, bp 98° (14 mm), n° 1.5662. Ethyl 3,5-diethyl-2-thienyl sulfide (IVb) was obtained (53%) from 2-ethylmercapto--5 -ethyl-3-acetothienone, bp 123-123.5° (10 mm), 1.5445. 3.5-Diethyl-2-thiophenecarboxylic acid was obtained by oxidation of (X), mp  $85-85.5^{\circ}$ . Ethyl 5-ethyl-2-thienyl sulfoxide (Ib) was obtained (78%) by oxidation of ethyl 5-ethyl-2-thienyl sulfide, bp 134-135° (2 mm), np 1.5638. Methyl 5-methyl-2-thienyl sulfoxide (Ia) was obtained (72%) by oxidation of methyl 5-methyl-2-thienyl sulfide, np 1.5852. Methyl 3,5-dimethyl-2-thienyl sulfoxide (IIa), obtained as previously, had  $n_D^{20}$  1.5600. There are 19 references, 13 U.S., 3 German, 3 Soviet. The 5 most recent U.S.

Card 5/6

**APPROVED FOR RELEASE: 03/20/2001** CIA-RDP86-00513R000620030003-7"

references are: H. Gilman, J. J. Dietrich, J. Org.

Synthesis and Conversions of Sulfides in Thiophene Series. III. Preparation and Cleavage of Sulfoxides

78301 sov/79-30-3-55/69

Chem., 22, 851 (1957); H. Gilman, D. R. Swayampati, J. Am. Chem. Soc., 77, 3387 (1955); H. Gilman, S. H. Eidt, J. Am. Chem. Soc., 78, 3848 (1956); C. Karr, Analyt. Chem., 26, 528 (1954); H. Gilman, D. R. Swayampati, J. Org. Ch. 21, 1278 (1956).

ASSOCIATION:

Institute of Organic Chemistry Academy of Sciences USSR (Institut organicheskoy khimii Akademii nauk

SSSR)

SUBMITTED:

April 25, 1959

Card 6/6

35407

S/076/62/036/003/005/011 B101/B108

5.1190

AUTHORS:

Nikitin, Yu. S., and Kaliko, M. A. (Moscow)

TITLE:

Influence of the chemical composition on the structure, stability, and catalytic properties of mixed alumino-silicate catalysts

PERIODICAL:

Zhurnal fizicheskoy khimii, v. 36, no. 3, 1962, 533 - 539

TEXT: By mixing moist C-25 (S-25) hydrogel of SiO<sub>2</sub> and A-2 (A-2) hydrogel of Al<sub>2</sub>O<sub>3</sub> catalysts with varying contents of Al<sub>2</sub>O<sub>3</sub> were prepared (methods see Zh. fiz. khimii, 33, 922, 1959). The samples were calcined at 750°C, treated with water vapor at that temperature for 6 hrs, and their catalytic action tested before and after the treatment with water vapor by cracking a gas oil fraction. The following data are given:

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#### "APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513

Influence of the ...

S/076/62/036/003/005/011 B101/B108

#### Structural characteristics of mixed aluminosilicate catalysts

sample	I		A				E	}	
<u>-</u>		II	III	IV	٧	II	III	IV	V
SiO <sub>2</sub> CK-8 (SK-8)  CK-20(SK-20)  CK-5 (SK-5)  CK-4 (SK-4)  Al <sub>2</sub> O <sub>3</sub>	0 17 30 40 50	310 395 440 415 415 305	220 300 310 335 280 165	0.75 0.59 0.83 0.60 0.61 0.47	84 40 66 44 52 76	300 280 225 280	210 230 190 170	0.58 0.76 0.46 0.48	78 84 52 52

Legend: I-Al<sub>2</sub>O<sub>3</sub> content in % by weight, A- calcined at 750°C; B- after treatment with steam at 750°C; II- specific surface s of the skeleton, in · m<sup>2</sup>/g; III- specific surface s' of the film, in m<sup>2</sup>/g; IV- volume of voids, in cm<sup>3</sup>/g; V- predominant diameter d of voids, in A.

Cord 2/A

Influence of the ...

S/076/62/036/003/005/011 B101/B108

#### Catalytic action of mixed aluminosilicate catalysts

sample	,	A	_				В	
Dampro	I	II	III	IV .	I	II	III	IV
SK-8	27.1	9.5	36.6	230	25.3	2.8	28.1	200
SK-20	28.7	11.6	40.3	240	25.0	7.0	32.0	155
SK-5	30.6	17.4	48.0	285	33.7	11.1	44.8	155
SK-4	27.2	15.5	42.7	260	33.4	8.5	41.9	185

Legend: A- calcined at 750°C; B-after treatment with steam at 750°C; I- gasoline yield, in % by weight; II- gas yield, in % by weight; III- degree of conversion, in % by weight; IV- surface area per unit volume, in m²/cm³. Conclusions: (a) the specific surface of the mixed catalysts is greated than the specific surface of silicagel, aluminogel, and mechanical mixtures of these, (b) the catalyst with 40% Al<sub>2</sub>O<sub>2</sub> has the strongest catalytic action, but its porous structure is highly sensitive to water vapor, (c) the catalytic stability is increased with a higher Al<sub>2</sub>O<sub>2</sub> content. There are 4 figures, 3 tables, and 13 references: 11 Soviet and 2 non-Soviet. Card 3/4

S/076/62/036/003/005/011
Influence of the ...
B101/B108

The two references to English-language publications read as follows: P. B. Elkin, C. G. Shull, L. C. Roess, Ind. Eng. Chem., 37, 327, 1945; S. Brunauer, P. Emmett, E. Teller, J. Amer. Chem. Soc., 60, 309, 1938.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanoy

promyshlennosti (All-Union Scientific Research Institute of

the Petroleum Industry)

SUBMITTED: June 2, 1960

Card 4/4

KALIKO, M.A.; PELEVINA, R.S.; PERVUSHINA, M.N.; PEROTOVA, T.V.

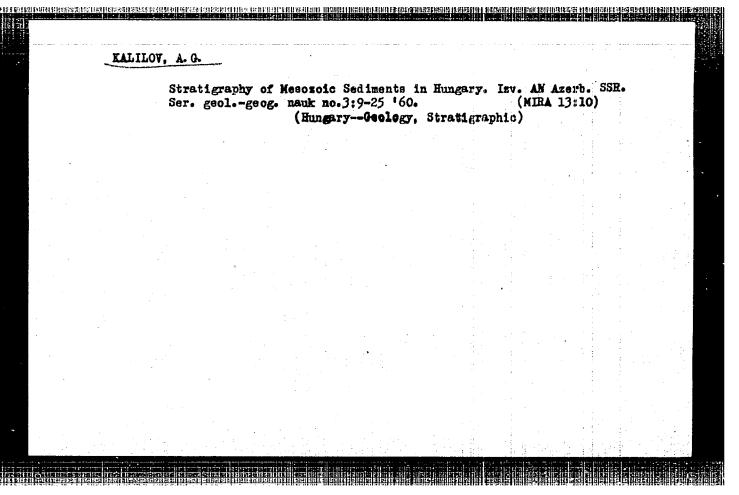
Obtaining higher %-olefins of normal structure by the catalytic conversion of paraffins. Neftekhimila 5 no.1: 24-32 Ja-F '65.

(MINA 18:5)

KALIKO. Yefim Lazaravich, kand. tekhn. nauk; VARGANOVA, A.N., red. izd-va; LKLYUKHIN, A.A., tekhn. red.

[Construction of private dwellings] Postroiks individual nogo doma. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1960. 285 p.
(MIRA 14:1)

(Architecture, Domestic) (Building)



# TRAPITSIN, N.F.; VEFRIK, A.V.; KALIKOV, N.A. Independence of the temperature of an s.c. high-voltage arc from the composition of the specimen. Inv. vys. ucheb. zav.; fiz. no.5:26-28 '62. (MIRA 15:12) 1. Kirgizskiy gosudarstvennyy universitet. (Electric arc)

### KALIKOV, N. P.

Kalikov, N. P. - "Processing pictures of mountainous regions for topographic stereometry", Sbornik nauch.-tekhn. i priozvod. statey po geodezii, kartografii, aeros"yemke i gravimetrii, Issue 22, 1948, p. 40-51.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

### KALIKOV, M. P.

"Plotting a Topographic Map of 1:25,000 Scale According to the Data of Aerial Photography in Plain and Mountainous Areas Using the Method of Differentiated Processes." Thesis for Degree of Cand. Technical Sci. Sub 23 Jun 50, Moscow Inst of Engineers of Geodesy, Aerial Photography, and Cartography

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva. Jan-Dec 1950.

KALIKOY, N.T.

PHASE I

TREASURE ISLAND BIBLIOURAPHICAL REPORT

TERNESSEED BEGGE ALSTEIN DER ESTRESE BEGGE STELVE ALE EINE HER HEREITEN BEGGEREN BERTER FRANKE BERTER FRANKE FRANK

AID 419 - I

BOOK

Call No.: TA593.K6 1952

Author: KONSHIM, M. D., Dr. of Tech. Sci., Prof. Full Title: AERIAL PHOTOTOPOGRAPHY, 2nd ed.

Transliterated Title: Aerofototopografiya

Publishing Data

Originating Agency: None

Publishing House: Publishing House for Geodetical and Cartographical Literature

Date: 1952 No. pp.: 360

No. of copies: 5,000

Editorial Staff: None

Others: Separate chapters were written by: Ch. 2 - P. V. Zakharov, Ch. 3, 5,

and 11 - N. P. Kozhevnikov, Ch. 7 - N. P. Kalikov.

Text Data

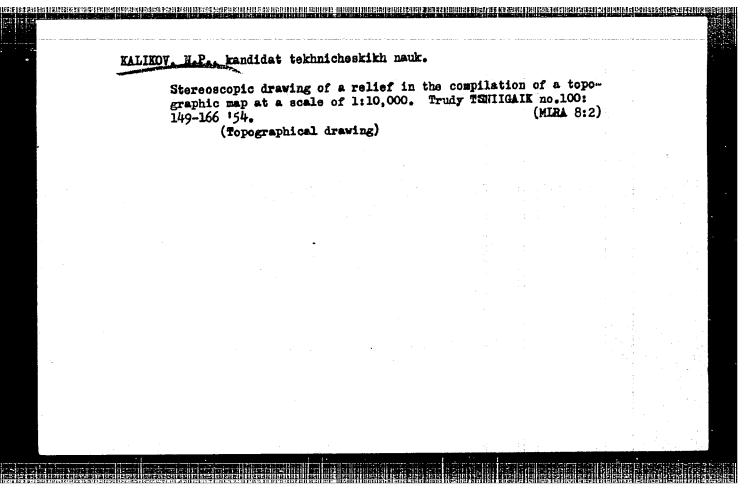
Coverage: This is the second supplemented edition of a textbook dealing with Photogrammetrical methods for building topographical maps, which is mainly concerned with processes of field preliminary work, the plotting of the workable original of a map, and the stereophotogrammetrical photograph of a relief. The new edition includes the application in the topographic-geodetic work of statescopes, methods of photopolygonometry, and the use of the stereometer with additional correction devices.

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Aerofetotoporgrafiya

AD 419 - I

This textbook is on a comparatively unadvanced level. It gives the principles of photogrammetry and methods of processing aerial negatives for plotting maps, but adds practically no information on the cameras and instruments used. No new or specially interesting data could be found.



KOZHEVNIKOV, Nikolay Petrovich; KRASHENINNIKOV, Georgiy Dnitrievich;
KALIKOV, Mikolay Paylovich; NORMANDSKAYA,O.B., redaktor;
VASIL'YEVA, V.T., Tedaktor; KUZ'MIN,G.M., tekhnicheskiy
redaktor

[Photogrammetry] Fotogrammetriia. Moskva, Izd-vo geodezicheskoi lit-ry, 1955. 492 p. (MIRA 9:4)

(Photographic surveying)

KHLIROV, N.P.

AUTHOR:

Kalikov, N. P., Candidate of Technical Sciences.

6-12-5/14

TITLE:

The Use of a Modernized Topographical Stereometer in Observations Counter the Light (Primeneniye modernizirovannogo topograficheskogo

stereometra pri nablyudeniyakh na prosvet).

PERIODICAL:

Geodeziya i Kartografiya, 1957, Nr 12, pp. 40-43 (USSR).

ABSTRACT:

Three variants for the modernization of the topographical stereous meters were carried out in the "Aerophototopographical Department" of the TSNIIGAik (Tsentral ny nauchne issledovatel skiy institut geodezii, aeros yemki i kartografii) / Central Scientific Research Institute for Geodesy, Air Phototopography and Cartography. The third variant proved to be the best one: additional film holders were set up on the STD-2. Two incandescent lamps were used for illuminate the film holders from below and shift simultaneously with the visual system of the device. (It was a proposal of the TsNIIGAik). This variant was the best, because the convenience in observation was here paired with the uniform illumination of the field of view. In all three variants the following was kept: the existing motions of the parts of apparatus, the optical system, the system of illumination and — the work of the correcting devices was not disturbed. Reference is made to the surveys carried out in 1955 and 1956 with

Card 1/3

The Use of a Modernized Topographical Stereometer in Observations 6-12-5/11; Counter the Light.

There are 2 figures, and 2 Slavic references.

AVAILABLE. Library of Congress.

Card 3/3

## sov/4699 Photogrammetry 153-157, and 158-170 by Candidate of Technical Sciences G. D. Krasheninnikov; sections 1-4, 58-62, 81-93, 97, and 171-172 by Candidate of Technical Sciences N. P. Kalikov. The author thanks K. N. Cartsenova and O. B. Normandskaya. There are 46 references: 44 Soviet and 2 German. TABLE OF CONTENTS: 3 Foreword Ch. I. Introduction 1. The subject of photogrammetry and its mission 6 2. The serial camera. Aerial survey work 3. Methods of making topographic maps from aerial surveys 4. Brief notes on the development of aerial mapping in the USSR Card 2/17-

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Cardiac aneurysms.	Klin. med. 31, No. 1, 1953.		
9. Monthly List of	Russian Accessions, Library of Con	June	1953, Uncl.

KALIKSHTEYN, D. B., Cand of Med Sci -- (diss) "Certain peculiarities of breathing in hypertonic patients." Kuybyshev, 1957, 18 pp (Kuybyshev State Medical Institute), 200 copies (KL, 37-57, 104)

ALIKSHIEYN, D.B.

USSR/Human and Arimal Physiology. Respiration.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36505D.

Author : Kalikshtein, D.B.

Inst : Kuibishevski Medical Institute.

Title : Some Peculiarities of Respiration in Hypertensives.

Orig Pub: Avtoref. dis. kand. med. n. kuibishevsk. med. in-t,

kuibishev, 1957.

Abstract: No abstract.

Card: 1/1

39

KALILOV, T.

554. Opyt snatnogo konevoda koshoyeva, /Plem.
sovkhoz im. Il'icha, Kirgiz. SSR/. M.,
Goskul'tprosvetizdat, 1954. 8 s. s ill. 22 sm. (Vsesoyuz.
s-kh. Vystavka). 8.000 ekz. 5 k.-Na obl. avb. n e
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Koshoyev)

S0: Knishnaya Letopis, Vol. 1, 1955

KALIMAN, P. A., Cand of Bio Sci -- (diss) "Investigation of adrenalin changes in animals under normal conditions and under experimental pathological condition of the cardiovascular system." Khar'kov, 1957, 18 pp (Khar'kov State Medical Institute), 200 copies (KL, 35-57, 106)

### KALIMAN, P.A. (Khar'kov)

Urinary excretion of adrenalin and adrenalinlike substances in normal rabbits and during experimental alimentary hypercholesterolemia and atherosclerosis [with summary in Bnglish]. Probl.endok. i gorm. 4 no.2: 26-30 Mr-Ap '58 (MIRA 11:5)

1. Iz kafedry biologicheskoy khimii (zav. - chlen-korrespondent AN USSR prof. A.M. Utevskiy) Khar'kovskogo meditsinskogo instituta (dir. - dotesent I.F. Kononenko).

(EPINEPHRINE, in urine excretion exper. alimentary hypercholesterologmia & atherosclerosis in rabbits (Rus))

(CHOLESTREROL, in blood excess, exper.dietary induction, urinary excretion of epinephrine in (Rus))

(ARTERIOSCIEROSIS, experimental urinary excretion of epinephrine in alimentary atheroscierosis in rabbits (Rus))

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# KALIMAN, P.A. Quantiative determination of adrenaline and noradrenaline in urine by means of a fluorescent method. Vop. med. khim. 6 no. 6:635-640 N-D '60. (MIRA 14:4) 1. Chair of Bioghemistry of the Kharkov Medical Institute. (ADRENALINE) (NORADRENALINE) (URINE—ANALYSIS AND PATHOLOGY)

KALIMAN, P. A. (USSR).

Types of Enzymic Oxidation of Adrenaline and Noredrenaline in the Cell Elements of Liver and Heart.

report presented at the 5th Int'l.

Biochemistry Congress, Moscow, 10-16 Aug. 1961

MALAYA, L.T., prof.; UTEVSKIY, A.M., prof.; KALIMAN, F.A., kand. biologicheskikh nauk; LOGINOVA, G.A.

Study of some processes of catachol amine metabolism in rheumatic fever (Sokol'skii - Bouillaud's disease). Vop. revm. 1 no.3:52-57 J1-S '61. (MIRA 16:4)

1. Iz kafedry fakul'tetskogospital'noy terapii sanitarnogigiyenicheskogo i pediatricheskogo fakul'tetov (zav. - prof.
L.T.Malaya) i kafedry biokhimii (zav. - chlen-korrespondent
AN UkrSSR prof. A.M.Utevskiy) Khar'kovskogo meditsinskogo
instituta (dir. - dotsent B.A.Zadordshnyy).

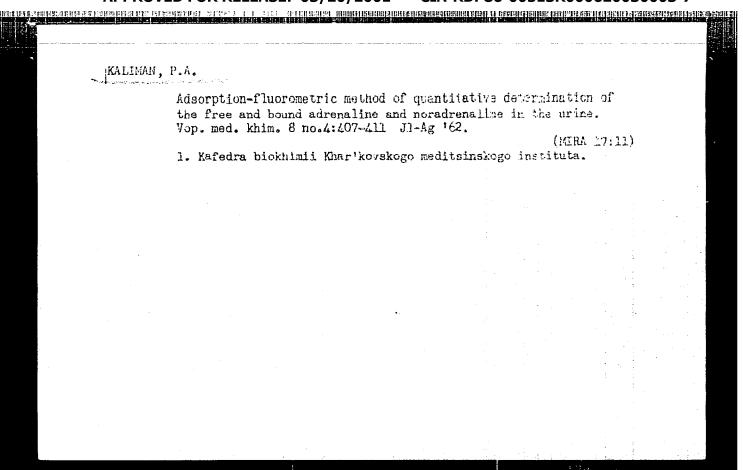
(RHEUMATIC HEART DISEASE) (ADRENALINE)

# Enzymatic oxidation of adrenaline, noradrenaline, and tyramine in the liver and heart of rabbits. Biokhimita 26 no.2:284-289 Mr-Ap '61. 1. Chair of Biochemistry, Medical Institute, Xharkov. (ADRENALINE) (ARTERENOL) (TYRAMINE) (OXIDATION, PHYSIOLOGICAL)

KALIMAN, P.A.; KOSHLYAK, T.V.

Oxidation of adrenaline in the organs and tissues of white rats. Blokhimia 26 no.4:729-735 Jl-Ag '61. (MIRA 15:6)

1. Chair of Biochemistry, Medical Institute, Kharkov. (ADRENALINE)



MALAYA, L.T., prof.; UTEVSKIY, A.M., prof.; KALIMAN, P.A., kand.biol.nauk; LOGINOVA, G.A.

Study of some processes of catecholamine metabolism in collagenceico Vrach.delo no.2:10-16 163. (MIRA 16:5)

1. Kafedra gospital'noy terapii (zav. - prof. L.T. Malaya) i kafédra biokhimii (zav. - chlen-korrespondent AN UkrSSR, prof. A.M. Utevskiy) lechebnogo fakul'teta Khar'kovskogo meditsinskogo instituta. (ADRENALINE) (COLLAGEN DISEASES)